



HYGIENETECH

Hygiene Technologies International, Inc.

3625 Del Amo Boulevard, Suite 180
Torrance, California 90503-1643
(310) 370-8370
(310) 370-7026 FAX
www.hygienetech.com

February 15, 2008

California State Board of Equalization
450 N Street
Sacramento, California 94279

Document No. 20802001.1

Attention: David Gau

Regarding: 22nd Floor Wall Cavity Assessment

Dear Mr. Gau:

On February 8, 2008, an industrial hygienist with Hygiene Technologies International, Inc. (HygieneTech) collected a series of wall cavity samples from the 22nd Floor of the California State Board of Equalization building located at the above-referenced address. Note that the wall cavity sample locations were selected based on a review of historical data and building information compiled by Simpson Gumpertz & Heger, Inc. Also note that all areas previously marked for removal by DGS and their consultant were excluded from this wall cavity assessment.

A total of eight wall cavity air samples were collected at various indoor locations throughout the 22nd Floor, primarily along the perimeter wall system, using a Zefon brand Bio-Pump™ equipped with Allergenco-D™ cassettes. All such samples were subsequently analyzed for fungi (including yeasts, molds, rusts, smuts, and mushrooms) by trained and experienced microbiologists at a laboratory accredited by the American Industrial Hygiene Association (AIHA) and that successfully participates in the AIHA Environmental Microbiology Proficiency Analytical Testing (EMPAT) Program. The analytical data with supporting and background information appear in the enclosed Table 20802001-2.

With only one exception, the airborne total fungi data recorded showed low levels of common fungi including basidiospores, colorless spores typical of *Penicillium* and *Aspergillus* species, and/or unidentified mitosporic fungi. The exception was the sample collected within the southern perimeter wall in Room 2239 showing a marginally elevated level of colorless spores typical of *Penicillium* and *Aspergillus* species, which may indicate a potential fungal growth reservoir at that location.

Be advised that the data provided in this report only represent limited fungal growth potentials that existed at the time the survey was performed and at the precise sample locations indicated, the latter of which were selected based on the available background information provided. Note that fungal growth potentials may change due to changes in environmental conditions (such as those caused by water intrusion), use of mechanical systems, or other factors. Also be advised that additional fungal growth may exist at one or more locations in the structure that were not specifically assessed during the survey.

Based on a review of the data, HygieneTech recommends that a portion of the southern perimeter wall in Room 2239 indicated in sample 20802001-TM01WCJL should be removed in an attempt to determine if



fungal growth sites are present. Engineering controls aimed at minimizing the possible dispersion of fungal spores and contamination of nearby areas should be used during the investigative activities, or it can be done in conjunction with fungal growth remediation work that will take place in adjacent areas once containment has been set up and fully functional.

If you have any comments or questions regarding the information contained in this correspondence, please feel free to contact our offices directly at (310) 370-8370.

Sincerely,

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

Kenny K. Hsi, CIH
Technical Director

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



CLIENT: California State Board of Equalization
450 N Street
Sacramento, California 94279

TABLE 20802001-2
AIRBORNE TOTAL FUNGI RESULTS
22ND FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 8, 2008

Page 1

Results reported in spores per cubic meter of air (spores/M³)

SAMPLE NUMBER	20802001-TM01WCJL	20802001-TM02WCJL	20802001-TM03WCJL	20802001-TM04WCJL
SAMPLING LOCATION/ACTIVITIES	Room 2239; southern perimeter wall; about four feet east of western perimeter wall; approximately six inches above floor; within wall cavity/Sampling activities only	Room 2210; Cubicle 85; southern perimeter wall; about five feet east of western cubicle partition; approximately six inches above floor; within wall cavity/Sampling activities only	Room 2210; Cubicle 80; southern perimeter wall; about two feet west of eastern cubicle partition; approximately six inches above floor; within wall cavity/Sampling activities only	Room 2210; Cubicle 78; southern perimeter wall; about three feet east of western cubicle partition; approximately six inches above floor; within wall cavity/Sampling activities only
START/STOP	14:04:00/14:05:00	14:08:00/14:09:00	14:12:00/14:13:00	14:20:00/14:21:00
SAMPLE TIME	1 minute	1 minute	1 minute	1 minute
Alternaria				
Ascospores				
Aureobasidium				
Basidiospores			P	270
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium				
Epicoccum				
Nigrospora				
Penicillium/Aspergillus types	5,400			540
Pithomyces				
Rusts				
Scopulariopsis				
Smuts (Periconia, Myxomycetes)				
Stachybotrys				
Trichosporon				
Ulocladium				
Unidentified mitosporic fungi	P			
Unidentified zygomycetes				
Background particulates*	Very light	Very light	Very light	Very light
TOTAL**	5,400	<67	<270	810

P = Spores present

* Background particulates is an indication of the amount of non-biological particulate matter present on the media and is graded (from least to greatest) as very light, light, moderate, heavy and very heavy.

** Note that all reported counts have been rounded to no more than two significant figures based on the sampling and analytical methods used, and therefore the total count may not equal the sum of the individual counts in a column.

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



CLIENT: California State Board of Equalization
450 N Street
Sacramento, California 94279

TABLE 20802001-2
AIRBORNE TOTAL FUNGI RESULTS
22ND FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 8, 2008

Page 2

Results reported in spores per cubic meter of air (spores/M³)

SAMPLE NUMBER	20802001-TM05WCJL	20802001-TM06WCJL	20802001-TM07WCJL	20802001-TM08WCJL
SAMPLING LOCATION/ACTIVITIES	Room 2210; Cubicle 73; southern perimeter wall; about six inches east of southwestern perimeter column; approximately six inches above floor; within wall cavity/Sampling activities only	Room 2210; column K22 area; western perimeter wall adjacent to Cubicle 72.02; about one foot north of southern perimeter column; approximately six inches above floor; within wall cavity/Sampling activities only	Room 2221; western perimeter wall; approximately two inches north of perimeter column; approximately six inches above floor; within wall cavity/Sampling activities only	Room 2232; Cubicle 41; western perimeter wall; about two feet south of northern perimeter wall; approximately two inches north of perimeter column; approximately six inches above floor; within wall cavity/Sampling activities only
START/STOP	14:30:00/14:31:00	14:39:00/14:40:00	14:59:00/15:00:00	14:52:00/14:53:00
SAMPLE TIME	1 minute	1 minute	1 minute	1 minute
Alternaria				
Ascospores				
Basidiospores				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium				
Epicoccum				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types	P	270		
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)				
Stachybotrys				
Ulocladium				
Unidentified mitosporic fungi	270		270	
Background particulates*	Very light	Very light	Very light	Very light
TOTAL**	270	270	270	<67

P = Spores present

* Background particulates is an indication of the amount of non-biological particulate matter present on the media and is graded (from least to greatest) as very light, light, moderate, heavy and very heavy.

** Note that all reported counts have been rounded to no more than two significant figures based on the sampling and analytical methods used, and therefore the total count may not equal the sum of the individual counts in a column.